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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/648,330	08/27/2003	Nobuyuki Takahashi	2003_1055A	5350	
513	7590 04/13/2005		EXAM	EXAMINER	
	OTH, LIND & PONAC	VERSTEEG.	VERSTEEG, STEVEN H		
2033 K STREET N. W. SUITE 800 WASHINGTON, DC 20006-1021			ART UNIT	PAPER NUMBER	
			1753		
			DATE MAILED: 04/13/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Office Action Summary		10/648,330	TAKAHASHI, NOBUYUKI				
		Examiner	Art Unit				
		Steven H. VerSteeg	1753				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1)	Responsive to communication(s) filed on 27 Au	<u>igust 2003</u> .					
2a)□	This action is FINAL . 2b)☐ This	action is non-final.					
3)⊠	Since this application is in condition for allowance except for formal matters, prosecution as to the ments is						
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
 4) Claim(s) 1-21 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 1-19 is/are allowed. 							
•	6) Claim(s) is/are rejected.						
	Claim(s) <u>20 and 21</u> is/are objected to.						
8)[Claim(s) are subject to restriction and/or	election requirement.					
Application Papers							
 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 27 August 2003 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 							
		arminer. Note the attached Office	Action of form FTO-132.				
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
Attachmen	t(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)							
	2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Notice of Informal Patent Application (PTO-152)						
	Paper No(s)/Mail Date 6) Other:						
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DETAILED ACTION

Drawings

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: 45 (see Figure 2). Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

2. Claims 20 and 21 are objected to because of the following informalities: there is an extraneous "0" between claims 20 and 21 that needs deleted. Appropriate correction is required.

Allowable Subject Matter

- 3. Claims 1-19 are allowed.
- 4. Claims 20 and 21 would be allowable if written to overcome the claim objection presented above.

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5. The following is a statement of reasons for the indication of allowable subject matter: it is neither anticipated nor obvious over the prior art of record to have a sputtering device as claimed by Applicant in claim 1.

6. US 6,533,906 B2 to Kawakubo et al. (Kawakubo) discloses a sputtering target offset from the substrate in which the target rotates (Figure 12; col. 6, 1. 59-65), but the axis of the target is not inclined to an axis of the sputtering cathode so that the target swings to the substrate when the cathode rotates. US 6,042,706 to Fu discloses a rotating magnet behind a sputtering target that is inclined relative to the substrate, but the target does not rotate and is no inclined to an axis of a cathode so that the target swings to the substrate when the cathode rotates. Modifying Kawakubo or Fu to have the axis of the target inclined to an axis of a sputtering rotating cathode so that the target swings to the substrate would require hindsight.

General Information

For general status inquiries on applications not having received a first action on the merits, please contact the Technology Center 1700 receptionist at (571) 272-1700.

For inquiries involving Recovery of lost papers & cases, sending out missing papers, resetting shortened statutory periods, or for restarting the shortened statutory period for response, please contact Denis Boyd at (571) 272-0992.

For general inquiries such as fees, hours of operation, and employee location, please contact the Technology Center 1700 receptionist at (571) 272-1300.

Conclusion

7. This application is in condition for allowance except for the formal matters mentioned above.

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Prosecution on the merits is closed in accordance with the practice under Ex parte Ouayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven H. VerSteeg whose telephone number is (571) 272-1348. The examiner can normally be reached on Mon - Thurs (6:30 AM - 5:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam X. Nguyen can be reached on (571) 272-1342. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Steven H VerSteeg Primary Examiner Art Unit 1753

shv April 8, 2005